

Dynamic Prosthetic Foot with Multiple Load Points and Single Upper

Abstract of Disclosure

A dynamic prosthetic foot having multiple load points includes a sole and an upper member that overlies the sole. A heel end of the upper member has a gradual ninety degree bend formed in so that it is normal to the sole. A longitudinally-extending slot divides the heel end of the upper member into a lateral pylon support and a medial pylon support. The lateral pylon support is thicker than the medial pylon support so that forces applied to the lateral and medial pylons are transferred to a greater extent to the medial pylon support. Vertical bounce during heel strike is eliminated, as is the flat spot. The foot further provides medial lateral stiffness, medial lateral stability, torsional flex and anisotropic stiffness. In a second embodiment, an elongate lateral and medial pylon replace the lateral and medial pylon supports, respectively.

Figures